

PATENT *EFLW*

Docket No.: 19226/2201 (R-5771)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Szyperski et al.)	Examiner:
)	Unknown
Serial No. :	10/628,818)	
Filed :	July 28, 2003)	Art Unit:
)	3737
For :	PHASE-SENSITIVELY DETECTED)	
	REDUCED DIMENSIONALITY NUCLEAR)	
	MAGNETIC RESONANCE SPECTROSCOPY)	
	FOR RAPID CHEMICAL SHIFT)	
	ASSIGNMENT AND SECONDARY)	
	STRUCTURE DETERMINATION OF)	
	PROTEINS)	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97-1.98, applicants hereby bring to the attention of the U.S. Patent and Trademark Office, the enclosed references listed on the attached PTO-1449 form. The pertinence of these references is indicated in the International Search Report (copy enclosed) for the corresponding PCT patent application.

Pursuant to 37 CFR § 1.97(b)(3), no fee is required. If additional fees are required, however, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 14-1138.

Respectfully submitted,

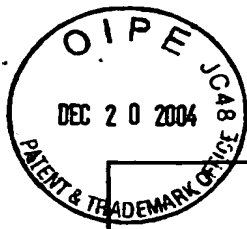
Date: December 15, 2004

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R811564.1

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Date <u>12/15/04</u>	<u>Mary Yandow</u> Mary Yandow



TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	10/628,818
		Filing Date	July 28, 2003
		First Named Inventor	Szyperski
		Group Art Unit	3737
		Examiner Name	To Be Assigned
Total Number of Pages in This Submission	11 pages+ 9 references	Attorney Docket Number	19226/2201 (R-5771)

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> A copy of the Notice to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input checked="" type="checkbox"/> A self-addressed, prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <input checked="" type="checkbox"/> PTO-1449 Form and 9 references <input checked="" type="checkbox"/> Copy of International Search Report
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
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Signature	<i>Alice Y. Choi</i> Registration No. 45,758
Date	<i>December 15, 2004</i>

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/628,818
				Filing Date	07/28/2003
				First Named Inventor	Szyperski
				Art Unit	3737
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	19226/2201 (R-5771)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	Fernández et al., "NMR with ¹³ C, ¹⁵ N-Doubly-Labeled DNA: The Antennapedia Homeodomain Complex with a 14-mer DNA Duplex," <i>Journal of Biomolecular NMR</i> 12:25-37 (1998)	
	2	Gehring et al., "H(C)CH-COSY and (H)CCH-COSY Experiments for ¹³ C-Labeled Proteins in H ₂ O Solution," <i>Journal of Magnetic Resonance</i> 135:185-193 (1998)	
	3	Yamazaki et al., "Two-Dimensional NMR Experiments for Correlating ¹³ Cβ and ¹ Hδ/ε Chemical Shifts of Aromatic Residues in ¹³ C-Labeled Proteins via Scalar Couplings," <i>J. Am. Chem. Soc.</i> 115:11054-11055 (1993)	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known			
				Application Number		10/628,818	
				Filing Date		07/28/2003	
				First Named Inventor		Szyperski	
				Group Art Unit		3737	
				Examiner Name		Unknown	
Sheet	2	of	2	Attorney Docket Number		19226/2201 (R-5771)	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	4	Shirra, "Three Dimensional NMR Spectroscopy," http://www.cryst.bbk.ac.uk/PPS2/projects/schirra/html/3dnmr.htm (1996)	
	5	Pang et al., "High-Resolution Detection of Five Frequencies in a Single 3D Spectrum: HNHCACO – A Bidirectional Coherence Transfer Experiment," <i>Journal of Biomolecular NMR</i> 11:185-1990 (1998)	
	6	Gardner et al., "The Use of ² H, ¹³ C, ¹⁵ N Multidimensional NMR to Study the Structure and Dynamics of Proteins," <i>Annu. Rev. Biophys. Biomol. Struct.</i> 27:357-406 (1998)	
	7	Sattler et al., "Triple Resonance Pulse Programs for ¹³ C, ¹⁵ N Labeled Proteins," http://www.embl-heidelberg.de/nmr/sattler/PP/pulseprograms.html (2001)	
	8	Tugarinov et al., "Four-Dimensional NMR Spectroscopy of a 723-Residue Protein: Chemical Shift Assignments and Secondary Structure of Malate Synthase G," <i>J. Am. Chem. Soc.</i> 124:10025-10035 (2002)	
	9	Kennedy et al., "Role for NMR in Structural Genomics," <i>Journal of Structural and Functional Genomics</i> 2:155-169 (2002)	

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